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REACTOR SHARING PROGRAM

Final Progress Report

For the Period 9/29/1995 to 5/31/2001

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DOE Patent Clearance Granted
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The Department of Energy award has provided financial assistance during the period 9/29/1995 to 5/31/2001 to support the utilization of the Rhode Island Nuclear Science Center (RINSC) reactor for student and faculty instruction and research by non-reactor owning educational institutions within approximately 300 miles of Narragansett, Rhode Island.

Through the reactor sharing program, the RINSC (including the reactor and analytical laboratories) provided reactor services and laboratory space that were not available to the other universities and colleges in the region. As an example of services provided to the users: Counting equipment, laboratory space, pneumatic and in-pool irradiations, demonstrations of sample counting and analysis, reactor tours and lectures.

Funding from the Reactor Sharing Program has provided the RINSC to expand student tours and demonstration programs that emphasized our long history of providing these types of services to the universities and colleges in the area. The funding have also helped defray the cost of the technical assistance that the staff has routinely provided to schools, individuals and researchers who have called on the RINSC for resolution of problems relating to nuclear science.

The reactor has been featured in a Public Broadcasting System documentary on Pollution in the Arctic and how a University of Rhode Island Professor used Neutron Activation Analysis conducted at the RINSC to discover the sources of the "Arctic Haze". The RINSC was also featured by local television on Earth Day for its role in environmental monitoring.

During the grant period, the following institutions have toured the RINSC reactor and facilities. The academic level served is coded (GS) Graduate, (UGS) Undergraduate, (PCS) Pre College, (F) Faculty.

Providence Schools, Providence, RI	(PCS)
Urban Collaborative, Providence, RI	(PCS)
Rhode Island Monthly Magazine, Providence, RI	
Park View Middle School, Providence, RI	(PCS)
School One, Providence, RI	(PCS)
Da Pont & Struck School, Providence, RI	(PCS)
Narragansett Fire Department, Narragansett, RI	
Jamestown Rotary Club, Jamestown, RI	
Davies Career & Technical High School, Lincoln, RI	(PCS)
Shackleton School, Ashby, MA	(PCS)
Cumberland High School, Cumberland, RI	(PCS)
RI Department of Health, Providence, RI	
Rhode Island Hospital, Providence, RI	(GS)

URI Marine Education Internship Program, Kingston, RI	(UGS)
Girl Scouts of RI/Sea Hunt, Providence, RI	(PSC)
URI/College of Engineering, Kingston, RI	(UGS)
State Emergency Management, Providence, RI	(F)
Peace Dale Elementary School, Wakefield, RI	(PCS)
Brown University Medical, Providence, RI	(GS)
URI Center for Atmospheric Chemistry, Narragansett, RI	(F)
URI Physics Department, Kingston, RI	(GS)
West Warwick High School, West Warwick, RI	(PCS)
Environmental Protection Agency, Narragansett, RI	(F)
LaSalle Academy, Warwick, RI	(PSC)
Arthur D. Little Inc., Cambridge, MA	(F)
State House Fiscal Advisors, Providence, RI	(F)
Alternate Learning Program, Middletown, RI	(PCS)
Metcalf School, Providence, RI	(PCS)
Westerly High School, Westerly, RI	(PCS)
URI Urban Field Center, Kingston, RI	(UGS)
General Public Visitors	(UGS)
Navy Recruiting Office, Newport, RI	(GS)
Rocky Hill School, East Greenwich, RI	(PCS)
Nathan Bishop Middle School	(PCS)
Esek Hopkins Middle School	(PCS)
URI Chemical Engineering Department, Kingston, RI	(GS)
GSO, Ocean Engineering, Narragansett, RI	(F)

The Rhode Island Atomic Energy Commission would like to thank the Department of Energy for their continued support of the research programs conducted at the Rhode Island Nuclear Science Center.